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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,405	12/05/2001	Tonny Chen	BHT-3204-14	8170
7590	03/03/2005		EXAMINER	
BRUCE H. TROXELL SUITE 1404 5205 LEESBURG PIKE FALLS CHURCH, VA 22041			DOAN, KIET M	
			ART UNIT	PAPER NUMBER
			2683	

DATE MAILED: 03/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/004,405	CHEN, TONNY	
	Examiner Kiet Doan	Art Unit 2683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 05 November 2004.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 6-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 6-12 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Response to Amendment

This office action is response to Amendment file on November 05, 2004

Claims 1-5 are canceled.

Claims 6-12 are added.

Response to Arguments

Applicant's arguments with respect to claims 6-12 is have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claim 6 rejected under 35 U.S.C. 102(e) as being anticipated by Yuen (Pub. No. 2002/0098834).

Consider **claim 6**, Yuen teaches a phone secretarial function extension device for a hand-free set and a cellular phone comprising:

a) a freely portable remote controller having:

i) remote control unit; and ii) a man-to-machine interface controlling the remote control unit (Page 6, Paragraph 53, Fig.1, No.24 Illustrate remote control unit which read on man-to-machine interface);

b) an input/output interface having a plurality of connection lines connected to a plurality of phone connection lines of a signal terminal of the cellular phone; and

c) a receiver connected to the hand-free set and the input/output interface, and having.

i) remote control signals receiving and processing units (Page 3, Paragraphs 28-30, Fig.1, No.16, teach cordless telephone unit which contain input/output interface means as transmit/receive RF); and

ii) a dialing controlling unit remotely controlled by the remote controller to send signals to the cellular phone and selectively putting the cellular phone in a dialing status (Page 4, Paragraphs 34-37) wherein, when the man-to-machine interface is activated, the remote control unit transmits remote control signals to the receiver, the receiver receives the remote control signals, and the dialing controlling unit transmits dialing signals to the cellular phone and puts the cellular phone in the dialing status (Abstract, Page 6, Paragraphs 53, 55-57, Fig.1, No.24, No.16 and 17, Illustrate remote control unit means as man-to-machine interface is activated and transmit signals to cordless telephone).

Consider **claim 7**, Yuen teaches the phone secretarial function extension device according wherein the remote controller is a wireless remote controller (Page 6, Paragraph 53, Fig.1, No.24 teach remote controller and No. 26 teach infrared link which means as wireless).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 8 rejected under 35 U.S.C. 103(a) as being obvious over Yuen (Pub. No. 2002/0098834) in view of Templin et al. (Patent No. 4,375,651).

Consider claim 8, Yuen teaches the limitation of claim as discuss above **but fail to teach** the phone secretarial function extension device according wherein the remote controller is a wired remote controller.

In an analogous art, Templin teaches “Selective Video Reception Control System”. Further, Templin teaches the phone secretarial function extension device according wherein the remote controller is a wired remote controller (Abstract, L18-27, Fig.1, No.24 Illustrate remote controller is a wired remote controller).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Yuen and Templin system, such

that remote controller is a wired remote controller, to provide means for the convenient and easy for the users.

3. **Claim 9** rejected under 35 U.S.C. 103(a) as being obvious over Yuen (Pub. No. 2002/0098834) in view of Templin et al. (Patent No. 4,375,651) and further view of Pope (Patent No. 5,963,624).

Consider **claim 9**, Yuen and Templin teach the limitation of claim as discuss above **but fail to teach** the phone secretarial function extension device according wherein the remote controller comprises:

- a) a power supply processing unit connected to an external power Source;
- b) a Light detecting and Light transmitting control unit;
- c) a dialing code unit;
- d) a signal transmitting unit;
- e) a signal transmission control unit connected to the dialing controlling unit and the signal transmitting unit and controlling the signal transmission unit;
- f) an AD/DA conversion unit;
- g) a man-to-machine interface control circuit connected to the man-to-machine interface;
- h) a digital signal processing unit connected to the AD/DA conversion unit;
- i) a microphone amplifying circuit connected to the AD/DA conversion unit;
- j) a microphone connected to the microphone amplifying circuit',

k) a speaker control and amplifying circuit connected to the AD/DA conversion unit;
1) a speaker connected to the speaker control and amplifying circuit; and
m) a chief remote control unit connected to the power supply processing unit, the light detecting and light transmitting control unit, the dialing code unit, the man-to-machine interface control circuit, and the digital signal processing unit.

In an analogous art, Pope teaches "Digital Cordless Telephone with Remote Control Feature". Further, Pope teaches the phone secretarial function extension device according wherein the remote controller (Title) comprises:

- a) a power supply processing unit connected to an external power Source (C4, L3-15, Fig.1, No.44 Illustrate a power line which connected to an external power Source) ;
- b) a Light detecting and Light transmitting control unit (C3, L35-60 teach infrared transmit means as Light transmitting control unit);
- c) a dialing code unit (C2, L61-65, Fig.1, No.30, show keypad means as dialing code unit);
- d) a signal transmitting unit;
- e) a signal transmission control unit connected to the dialing controlling unit and the signal transmitting unit and controlling the signal transmission unit (C2, L4558, Fig.1, No.28 Illustrate antenna which such as signal transmitting unit);
- f) an AD/DA conversion unit (Fig.2, No.56, No.64 Illustrate conversion AD and DA);
- g) a man-to-machine interface control circuit connected to the man-to-machine interface (Fig.1, No.10, No.12 means as man-to-machine interface control circuit are connect) ;

Art Unit: 2683

- h) a digital signal processing unit connected to the AD/DA conversion unit (C3, L20-33);
- i) a microphone amplifying circuit connected to the AD/DA conversion unit; j) a microphone connected to the microphone amplifying circuit k) a speaker control and amplifying circuit connected to the AD/DA conversion unit (Fig.2, No. 58 No.62 illustrate connect to AD and DA in an circuit);
- l) a speaker connected to the speaker control and amplifying circuit; and
- m) a chief remote control unit connected to the power supply processing unit, the light detecting and light transmitting control unit, the dialing code unit, the man-to-machine interface control circuit, and the digital signal processing unit (C4, L17-34, Fig.2, No. 60 teach processor which read on chief remote control unit).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Yuen, Templin and Pope system, such that system remote control contain external power Source, Light transmitting, AD/DA conversion unit, dialing code unit, to provide means for the convenient of transmitting in both digital/light and analog/voice.

Consider **claim 10**, Pope teaches the phone secretarial function extension device according wherein the receiver comprises:

- a) a charging and power processing unit connected to the input/output interface (C4, L10-14, Fig.1, No.42 teach power cord which connected to the input/output);

Art Unit: 2683

- b) an infrared receiving unit receiving signals from a signal transmitting unit of the remote controller (C3, L35-41);
- d) a communication detecting unit (Fig.1, No.12 Illustrate base unit means as communication detecting unit);
- e) a first connection unit connected to the hand-free device (Fig.1, No.10 Illustrate as hand-free device which connected),
- f) a second connection unit connected to the input output interface (Fig.1, No.34 illustrate as second connection unit); and

Yuen teaches c) a dual tone multiple frequency generator, g) a chief receiving control unit connected to the charging and power processing unit, the infrared receiving unit, the dual tone multiple frequency generator, the communication detecting unit, the first connection unit, and the second connection unit (Page 6, Paragraph 54, 58, Fig.5, No.14, Illustrate remote control contain dual tone multiple frequency and microprocessor means as processing unit).

Consider **claim 11**, Pope teaches the phone secretarial function extension device according wherein the input/output interface comprises:

- a) a voice signal output line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone, and having an amplifier b) a voice signal input line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone, and having

an amplifier (Fig.2, No.58, No.62 Illustrate speaker as input/output voice input signal which connect to No.54 as receiver)

Templin teaches and a capacitor serially connected (C14, 39-53) thereto;

Pope teaches c) a charging line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone; d) a charging control circuit connected to the charging line; e) a charging control line connected at a first end to the receiver and at a second end to the charging control circuit (C4, L2-16, Fig.3, No.96, No.98 Illustrate charging control line);

f) a chief control unit (Fig.2, No.60 teach processor means as chief control unit);

g) a dialing control line connected at a first end to the dialing controlling unit and at a second end to the chief control unit h) a common dialing signal line connected at a first end to the dialing a second end to the chief control unit (C2, L61-65, Fig.1, No.30 teach common dialing signal line and keypad as dialing control line);

i) a flag pole control line connected at a first end to the receiver and at a second end to the chief control unit (Fig.1, No.38 Illustrate as flag pole control line which connected to, Fig.3, No.82 as receiver and to the chief control unit No.84);

j) a cellular phone working synchronic signal input line connected at a first end to the chief control unit and at a second end to the signal terminal of the cellular phone; and k) a cellular phone analog signal input line connected at a first end to the chief control unit and at a second end to the signal terminal of the cellular phone (C2, L45-60, Fig.1, No.10, Illustrate handset as cellular phone, No.28, No.40 Illustrate synchronic signal input line connected).

Consider **claim 12**, Pope teaches the phone secretarial function extension device according wherein the input output interface comprises:

- a) an AD conversion unit (Fig.2, No.64);
- b) a programmable logic IC; c) a shift temporary register connected to the AD conversion unit and the programmable logic IC (C5, L15-20, Fig.3, No.84, No.76 Illustrate processor/memory which means as programmable logic IC);
- d) a voice signal output line connected at a first end to the receiver and at a second end to the AD conversion unit, and having an amplifier and a capacitor serially connected thereto;
- e) a voice signal input line connected at a first end to the receiver and at a second end to the AD conversion unit, and having an amplifier and a capacitor serially connected thereto (Fig.2, No.58, No.62 Illustrate speaker as input/output voice input signal which connect to No.54 as receiver);
- f) a charging line connected at a first end to the receiver and at a second end to the signal terminal of the cellular phone;
- g) a charging control circuit connected to the charging line;
- h) a charging control line connected at a first end to the receiver and at a second end to the charging control circuit (C4, L2-16, Fig.3, No.96, No.98 Illustrate charging control line which connect to receiver No.82);
- i) a chief control unit (Fig.2, No.60 teach processor means as chief control unit);
- j) a dialing control line connected at a first end to the dialing controlling unit and at a second end to the chief control unit;
- k) a common dialing signal line connected at a first

end to the dialing controlling unit and at a second end to the chief control unit (C2, L61-65, Fig.1, No.30 teach common dialing signal line and keypad as dialing control line);
l) a flag pole control line connected at a first end to the receiver and at a second end to the chief control unit (Fig.1, No.38 Illustrate as flag pole control line which connected to, Fig.3, No.82 as receiver and to the chief control unit No.84);
m) a cellular phone signal input line connected at a first end to the programmable logic IC and at a second end to the signal terminal of the cellular phone; and n) a shift control line connected at a first end to the shift temporary register and at a second end to the signal terminal of the cellular phone(C2, L45-60, Fig.1, No.10, Illustrate handset as cellular phone, No.28,No.40 Illustrate synchronic signal input line connected).

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 703-305-4749. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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